

# 4 O/PK

## RAW SEQUENCE LISTING

DATE: 06/20/2001

PATENT APPLICATION: US/09/812,382

TIME: 12:05:10

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3 <110> APPLICANT: Chilkoti, Ashutosh  
 5 <120> TITLE OF INVENTION: Fusion Peptides Isolatable by Phase Transition  
 7 <130> FILE REFERENCE: 4176-101  
 9 <140> CURRENT APPLICATION NUMBER: US 09/812,382  
 10 <141> CURRENT FILING DATE: 2001-03-20  
 12 <150> PRIOR APPLICATION NUMBER: US 60/190,659  
 13 <151> PRIOR FILING DATE: 2000-03-20  
 15 <160> NUMBER OF SEQ ID NOS: 7  
 17 <170> SOFTWARE: PatentIn version 3.0  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 5  
 21 <212> TYPE: PRT

C--&gt; 22 &lt;213&gt; ORGANISM: Artificial

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 25 <223> OTHER INFORMATION: pentapeptide monomer  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: UNSURE  
 29 <222> LOCATION: (4)..(4)  
 30 <223> OTHER INFORMATION: X can be any amino acid, natural or non-natural.  
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35 Val Pro Gly Xaa Gly

36 1 5  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 5  
 40 <212> TYPE: PRT

C--&gt; 41 &lt;213&gt; ORGANISM: Artificial

43 <220> FEATURE:  
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 46 <220> FEATURE:  
 47 <221> NAME/KEY: UNSURE  
 48 <222> LOCATION: (4)..(4)  
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 52 <400> SEQUENCE: 2

54 Ile Pro Gly Xaa Gly

55 1 5  
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 60 <213> ORGANISM: ELP[V5A2G3-10]  
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 67 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ala Gly Val Pro  
 68 20 25 30  
 70 Gly Ala Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly  
 71 35 40 45  
 73 Gly Gly

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87      20          25
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90 <211> LENGTH: 75
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98                                     75
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102 <212> TYPE: PRT
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113 Gly Ala Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly
114      35          40          45
116 Gly Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
117      50          55          60
119 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ala Gly
120 65          70          75          80
122 Val Pro Gly Ala Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val
123      85          90          95
125 Pro Gly Gly Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
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129      115         120         125
131 Ala Gly Val Pro Gly Ala Gly Val Pro Gly Gly Gly Val Pro Gly Gly
132      130         135         140
134 Gly Val Pro Gly Gly Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
135 145         150         155         160
137 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
138      165         170         175
140 Pro Gly Ala Gly Val Pro Gly Ala Gly Val Pro Gly Gly Gly Val Pro
141      180         185         190
143 Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly Val Gly Val Pro Gly
144      195         200         205
146 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val

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150 225      230      235      240
152 Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly Val Gly Val
153      245      250      255
155 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro
156      260      265      270
158 Gly Val Gly Val Pro Gly Ala Gly Val Pro Gly Ala Gly Val Pro Gly
159      275      280      285
161 Gly Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly Val
162      290      295      300
164 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
165 305      310      315      320
167 Val Pro Gly Val Gly Val Pro Gly Ala Gly Val Pro Gly Ala Gly Val
168      325      330      335
170 Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro
171      340      345      350
173 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
174      355      360      365
176 Val Gly Val Pro Gly Val Gly Val Pro Gly Ala Gly Val Pro Gly Ala
177      370      375      380
179 Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly Val Pro Gly Gly Gly
180 385      390      395      400
182 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
183      405      410      415
185 Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Ala Gly Val Pro
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192      450
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196 <212> TYPE: PRT
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207 Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly
208      35      40      45
210 Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val
211      50      55      60
213 Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly
214 65      70      75      80
216 Val Pro Gly Val Gly Val Pro Gly Val Gly Val Pro Gly Val Gly Val
217      85      90      95
219 Pro Gly Val Gly

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## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/812,382

DATE: 06/20/2001

TIME: 12:05:12

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L:41 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2